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(21) International Application Number: PCT/US97/14718 (22) International Filing Date: 21 August 1997 (21.08.97) (30) Priority Data: 08/700,846 21 August 1996 (21.08.96) US (71) Applicant: GENVEC, INC. [US/US]; 12111 Parklawn Drive, Rockville, MD 20852 (US). (72) Inventors: WICKHAM, Thomas, J.; 2106 Hutchinson Grove Court, Falls Church, VA 22043 (US). ROELVINK, Petrus, W.; 17502 Gallagher Way, Olney, MD 20832 (US). KOVESDI, Imre; 7713 Warbler Lane, Rockville, MD 20852 (US). (74) Agents: KILYK, John, Jr. et al.; Leydig, Voit & Mayer, Ltd., Two Prudential Plaza, Suite 4900, 180 North Stetson, Chicago, IL 60601-6780 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: A SHORT-SHAFTED ADENOVIRAL FIBER AND ITS USE

(57) Abstract

The present invention provides a short-shafted adenoviral fiber, a recombinant adenovirus comprising a short-shafted fiber, a vector comprising a short-shafted adenoviral fiber gene, and a method of targeting attachment of a short-shafted recombinant adenovirus to a cell so as to effect entry of the short-shafted recombinant adenovirus into the cell.